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Preface

Aquatic Sciences & Fisheries Abstracts commenced publication in July 1971 and represents an amalgamation of Aquatic Biology Abstracts, published by Information Retrieval Limited, with The Current Bibliography for Aquatic Sciences and Fisheries, previously compiled by the Food and Agriculture Organization of the United Nations. Aquatic Sciences & Fisheries Abstracts is compiled by the FAO with the aid of the collaborating partners, and published in London by Information Retrieval Ltd.

All papers relating to studies on the aquatic environment are reported including physical and chemical aspects, pollution, utilization of resources (particularly fisheries), and the biology of aquatic organisms. References on fishing craft, gear and methods, and on primary fishing industries generally, are also included where their contents appear relevant to appraisal and use of resources. Approximately 1,200–1,800 abstracts in English are published monthly; the original titles plus English translations are given for non-English papers.

The Zentralstelle für Maschinelle Dokumentation in Frankfurt has developed a completely mechanised system for ASFA storage and retrieval and all 1974 references are being input to this system. After experimentation with the data during the course of 1974, computer based ASFA services will be announced.

In the captions to abstracts the journal titles are abbreviated in accordance with the revised British Standard 4148:1970 which conforms to the revised American National Standards Institute Z39.5:1969. All authors are cited but only the first author's present address is given. All titles are given in English (in bold type); for papers in other languages English translations are cited in parentheses followed by the original title. In cases where titles appear in Cyrillic or other non-Roman alphabets these are transliterated.

The letters following the abstract number refer to marine 'M', freshwater 'F', brackish 'B', and general 'G'. Animals living in both freshwater and marine waters during their life cycle are classified as brackish. Abbreviations used in the text and abbreviations for languages are listed on the inside back cover.

Computer-generated Author, Taxonomic, Geographic and Subject indexes are produced monthly, with accumulated indexes at the end of the volume. All author are cited in the index with no distinction being made between the first and other authors. From 1974 onwards the taxonomic index will be compiled by indexing the genus, family and order for all organisms significantly dealt with in a paper. The taxonomic index goes down to species level in the case of economically important species. The index is presented monthly in alpha sequence with entry points from genus and order.

Each paper is also analysed for the geographical location, land and sea areas being treated separately. The land areas (including inland seas and inter-territorial lake systems) are indexed in alpha sequence by country (English names) and the sea areas are indexed under main water areas. Coastal regions are indexed under sea areas with the name of the relevant country.

The subject index is based on a thesaurus compiled by the Bundesforschungsanstalt für Fischerei and by the FAO in Rome. The journal is entirely computer oriented and all data is retrievable for retrospective searching from 1974.

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Abbreviations

A	adenine
Å	angstrom
ACh	acetylcholine
ACTH	adrenocorticotropic hormone
ADP	adenosine diphosphate
AMP	adenosine monophosphate
Anopl.	Anoplura
AP	arginine phosphate
approx.	approximately
Arach.	Arachnida
Aran.	Araneae
at wt	atomic weight
ATP	adenosine triphosphate
ATPase	adenosine triphosphatase
Aug	August
BOD	biochemical oxygen demand
b.i.d.	bis in die (twice daily)
BHC	benzene hexachloride
Blatt.	Blattodea
c	curie
C	cytosine
ca	circa
CA	corpora allata, corpus allatum
CC	corpora cardiaca
CD	circular dichroism
CD_{50}	median curative dose
CDP	cytidine diphosphate
CF	complement fixation
CFU	colony forming unit
Chil.	Chilopoda
CM-cellulose	carboxymethyl cellulose
CMP	cytidine monophosphate
CNS	central nervous system
CoA	co-enzyme A
CoASH	reduced co-enzyme A
COD	chemical oxygen demand
coeff	coefficient
Col.	Coleoptera
Collem.	Collembola
comb.n.	new combination
compd	compound
conc	concentration
CoQ	co-enzyme Q (ubiquinone)
CPE	cytopathic effect
c/s	cycles per second
CSF	cerebrospinal fluid
CT	calcitonin
CTP	cytidine triphosphate
cv	cultivar
cyt	cytochrome
D	decimal reduction time
DDA	dichloro-diphenyl-acetic acid
DDD	dichloro-diphenyl-dichloroethylene
DDT	dichloro-diphenyl-trichloroethane
DEAE-cellulose	diethylaminoethyl cellulose
Dec	December
Derm.	Dermaptera
diam	diameter
Dipl.	Diplura
Diplop.	Diplopoda
Dipt.	Diptera
DNA	deoxyribonucleic acid
DNase	deoxyribonuclease
DNP	deoxyribonucleoprotein
dopa	dihydroxyphenylalanine
ECTEOLA-cellulose	epichlorohydrin-triethanolamine and cellulose
ED_{50}	median effective dose
EDTA	ethylenediamine-tetraacetic acid
Emb.	Embioptera
EMP	Embden-Meyerhof-Parnas
EMS	ethyl methane sulphonate
ENT	ear, nose and throat
Ephem.	Ephemeroptera
ER	endoplasmic reticulum
ESR	electron spin resonance
f	forma
FA	fatty acid(s)
FAD	flavine adenine dinucleotide
fam.n.	new family
Feb	February
$FP(H_2)$	(reduced) flavoprotein
f.sp.	forma specialis
ft	foot, feet
ft c	foot-candle(s)
ftm	fathom(s)
g	gram(s)
G	guanine
GABA	gamma-aminobutyric acid
gall	gallon(s)
GDP	guanosine diphosphate
gen	genus
gen.n.	new genus
GLC	gas liquid chromatography
GMP	guanosine monophosphate
G6PD	glucose-6-phosphate dehydrogenase
GTP	guanosine triphosphate
HA	haemagglutination
Hb	haemoglobin
Hem.	Hemiptera
Het.	Heteroptera
HI	haemagglutination inhibition
Hom.	Homoptera
hr	hour(s)
HS	horizontal section
HT	hydroxytryptamine
Hym.	Hymenoptera
Hz	hertz
i.a.	intraarterial, -ly
IAA	indole acetic acid
i.c.	intracerebral, -ly
i.d.	intradermal, -ly
ID_{50}	median infective dose
IDP	inosine diphosphate
IgG, M, etc	immunoglobulin G, M, etc
i.m.	intramuscular, -ly
IMP	inosine monophosphate
in	inch, inches
i.n.	intranasal, -ly
INH	isoniazid
i.p.	intraperitoneal, -ly
IR	infrared
Isopt.	Isoptera
ITP	inosine triphosphate
i.v.	intravenous, -ly
Jan	January
JH	juvenile hormone
k	kilo
kc/s	kilocycles per second
Km	Michaelis constant
lb	pound(s)
L/D	light/dark regime
LD_{50}	median lethal dose
LDH	lactate dehydrogenase
Lep.	Lepidoptera
log	logarithm
LS	longitudinal section
m	milli or meter(s)
M	molar
μ	micro, micron(s)
Mall.	Mallophaga
Mant.	Mantodea
MBC	minimum bactericidal concentration
Mec.	Mecoptera
Megal.	Megaloptera
mg	milligram(s)
MIC	minimum inhibitory concentration
min	minute(s)
mol wt	molecular weight
mp	melting point
MPN	most probable number
mRNA	messenger RNA
Myriap.	Myriapoda
n	nano
$NAD(H_2)$	(reduced) nicotinamide adenine dinucleotide
$NADP(H_2)$	(reduced) nicotinamide adenine dinucleotide phosphate
Neur.	Neuroptera
NMR	nuclear magnetic resonance
nom.n.	new name
Nov	November
NTP	normal temperature & pressure
Oct	October
OD	optical density
Odon.	Odonata
Onych.	Onychophora
OP	osmotic pressure
Opil.	Opiliones
ORD	optical rotary dispersion
Orth.	Orthoptera
oz	ounce(s)
PAS	para-aminosalicylic acid
PBS	phosphate buffered saline
PDA	potato dextrose agar
PFU	plaque forming unit
6PGD	6-phosphogluconate dehydrogenase
PGM	phosphoglucomutase
PHA	phytohaemagglutinin
Phasm.	Phasmatodea
PkFU	pock forming unit
Plec.	Plecoptera
PMR	proton magnetic resonance
p.o.	per os
PP	pyrophosphate
PPLO	pleuropneumonia-like organism
ppm	parts per million
Prot.	Protura
Pseudoscorp.	Pseudoscorpiones
p.s.i.	pounds per square inch
Psoc.	Psocoptera
PTC	phenylthiocarbamide
PTE	parathyroid extract
PTH	parathyroid hormone
q.i.d.	quarter in die (4 times a day)
quat	quaternary
rad	radiation unit (100 ergs/g)
RBC	red blood cell
Rf	relative flow rate
RH	relative humidity
RNA	ribonucleic acid
RNase	ribonuclease
RNP	ribonucleoprotein
rpm	revolutions per minute
RQ	respiratory quotient
rRNA	ribosomal RNA
S	Svedberg unit
s.c.	subcutaneous, -ly
Scorp.	Scorpiones
SDS	sodium dodecyl sulphate
sec	second(s)
Sept	September
SG	Specific gravity
Siphon.	Siphonaptera
sp(p).	species
sp.n.	new species
s.str.	sensu stricto
str	strain
Streps.	Strepsiptera
subfam.n.	new subfamily
subgen	subgenus
subgen.n.	new subgenus
subsp(p)	subspecies
subsp.n.	new subspecies
SV40	simian virus 40
syn.n.	new synonym
T	thymine
TCA	trichloroacetic acid
TCD_{50}	median tissue culture infective dose
TCT	thyrocalcitonin
TEM	triethylene melamine
temp	temperature
tert	tertiary
Thysanopt.	Thysanoptera
t.i.d.	ter in die (three times a day)
TLC	thin-layer chromatography
TMV	tobacco mosaic virus
trib.n.	new tribe
Trich.	Trichoptera
Tris	2-amino-2-hydroxymethylpropane-1,3-diol
tRNA	transfer RNA
TS	transverse section
U	uracil
UDP	uridine diphosphate
UDPG	uridine diphosphate glucose
UDPNAG	uridine diphosphate N-acetylglucosamine
UMP	uridine monophosphate
UTP	uridine triphosphate
UV	ultraviolet
var	variety
var.n.	new variety
vol	volume
VS	vertical section
v/v	volume per volume
WBC	white blood cell
wk	week, weeks
wt	weight
w/v	weight per volume
w/w	weight per weight
Xiph.	Xiphosura
yd	yard(s)
yr	year(s)
Zor.	Zoraptera
%	per cent
‰	per thousand

Amino acids are only abbreviated in the description of their sequence in a peptide or protein; the I.U.P.A.C. abbreviations are used. Positive inorganic ions are written as Mn^{2+}, Na^{+}; negative ions as Cl^{-}, SO_4^{2-}. Elements are denoted by symbols.

Language abbreviations

	text	summaries
Af	af	Afrikaans
Ar	ar	Arabic
Be	be	Belorussian
Bg	bg	Bulgarian
Ch	ch	Chinese
Cs	cs	Czech
Da	da	Danish
Nl	nl	Dutch
En	en	English
Ee	ee	Estonian
Fi	fi	Finnish
Fl	fl	Flemish
Fr	fr	French
De	de	German
Gr	gr	Greek
He	he	Hebrew
Hu	hu	Hungarian
It	it	Italian
Ja	ja	Japanese
Ko	ko	Korean
Lv	lv	Latvian
Li	li	Lithuanian
Ma	ma	Macedonian
No	no	Norwegian
Pl	pl	Polish
Pt	pt	Portuguese
Ro	ro	Romanian
Ru	ru	Russian
Sh	sh	Serbo-croat
Sk	sk	Slovak
Sn	sn	Slovenian
Es	es	Spanish
Sv	sv	Swedish
Tr	tr	Turkish
Uk	uk	Ukrainian

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